

High 3
Med 2
1-3 86

EPA 1418210002		POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER		01 STATE	02 SITE NUMBER
Doke Drum Site		R.R. #1		IL	98193444
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Davis Junction	IL	61007			
09 COORDINATES LATITUDE		LONGITUDE			
42 04 52.5		089 02 22.5		Kings, IL (240)	
10 DIRECTIONS TO SITE (Starting from nearest public road) (See attached Map)					
III. RESPONSIBLE PARTIES					
01 OWNER (If known)		02 STREET (Business, mailing, residential)			
Earnest E. Doke		11744 Big Mound Road			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
Davis Junction	IL	61020	()		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER		
			()		
13 TYPE OF OWNERSHIP (Check one)					
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL					
<input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)					
<input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR <input checked="" type="checkbox"/> C. NONE					
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 08/21/85 <input type="checkbox"/> NO 08/10/86		<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR			
		<input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)			
02 SITE STATUS (Check one)		03 YEARS OF OPERATION			
<input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		BEGINNING YEAR _____ ENDING YEAR _____ <input checked="" type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED					
Solvents (Toxic, Flammable) Other Organic (Toxic, Flammable)					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION					
Groundwater (Population, Environment) Surface Water (Environment)					
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)					
<input type="checkbox"/> A. HIGH (Inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
VI. INFORMATION AVAILABLE FROM					
01 CONTACT		02 OF (Agency/Organization)		03 TELEPHONE NUMBER	
Kerry Keller		IEPA - Region 4 Rockford		(815) 987-2404	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Gregory W. Dunn		IEPA	RPMS	(217) 782-6761	09/26/86 MONTH DAY YEAR

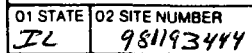
EPA FORM 2070-12 (7-81)

000371 OP

EPA Region 5 Records Ctr.



311321



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE IL 02 SITE NUMBER 981193444

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~ 850 04 NARRATIVE DESCRIPTION

Drums at site were found leaking into ground. The potential for groundwater contamination exists because of leaking drums.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

The contents of the drums leaked onto the ground. With the Stillman creek only 2 miles away, the possibility exists that surface water runoff can create a hazard for the creek.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION
(Acres)

It is impossible to determine how much of the hazardous wastes leaked into the soil. With some drums completely empty, the possibility for contamination exists.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~ 850 04 NARRATIVE DESCRIPTION

The contents from drums leaked into the ground, possibly contaminating shallow ground aquifers. Almost all the surrounding homes are serviced by private groundwater wells.

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 981193444

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☒ OBSERVED (DATE: 08/21/85)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

Drums found at site were leaking contents. Some were found buried underneath tires, while others were lying out in the open. All drums were removed on 08/04/86

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~ 850

IV. COMMENTS

The Public Water Survey has no record of water use for Davis Junction or Holcomb. Therefore, since everybody else in the area is serviced by groundwater, the assumption made was that both towns are also serviced by groundwater.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

ILLINOIS - EPA Land Files

Executive Summary

The Doke Drum Site is owned by Earnest Doke of 11744 Big Mound Road, Davis Junction, Il. The site is located approximately one and one-half($1\frac{1}{2}$) miles Southwest of Davis Junction in the SE $\frac{1}{4}$ of Section 28, Township 42 North, Range 1 East, Ogle County, Illinois.

The area, where the drums were discovered, was found to be an old gravel pit. The pit had been partially backfilled with soil and must have been used for dumping the drums. Along with the drums, the site contained pails, five and three gallon cans, thirty (30) gallon drums, and thousands of tires.

There has been no release of contaminants found in wells of nearby neighbors. The Ogle County Health Departments sampled wells N-NW from the Doke Drum Site and lab results indicated the wells were within normal/expected limits.

The Doke Drum Site is a State clean-up project that was contracted to Mid-America Environmental Services, 13840 South Holland, Riverdale, Illinois. The actual clean-up started on January 20, 1986 with the staging, inventorying, sampling and analyzing of drums. This phase was completed on January 25, 1986 with 184 fifty-five (55) gallon drums staged. The second phase of the clean-up started on July 22, 1986, consisting of the repacking of wastes, crushing the old and used overpack drums, cleaning up the staging area and shipping the wastes off-site for final disposal. The second phase ran from July 22-25, 29-30 and August 4, 1986. The last day (August 4) consisted of cleaning up and shipping out drums to their respective locations.

Since the contents of the drums are hazardous, a medium priority is assigned. A site inspection is recommended with soil samples taken at the site and nearby wells sampled in all directions of the site. Sampling of the wells may need a priority pollutant analysis instead of a limited parameter analysis.

Addendum

Doke Dnm Site

220 981193444

LPL 1418210002

4664

4662

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4630

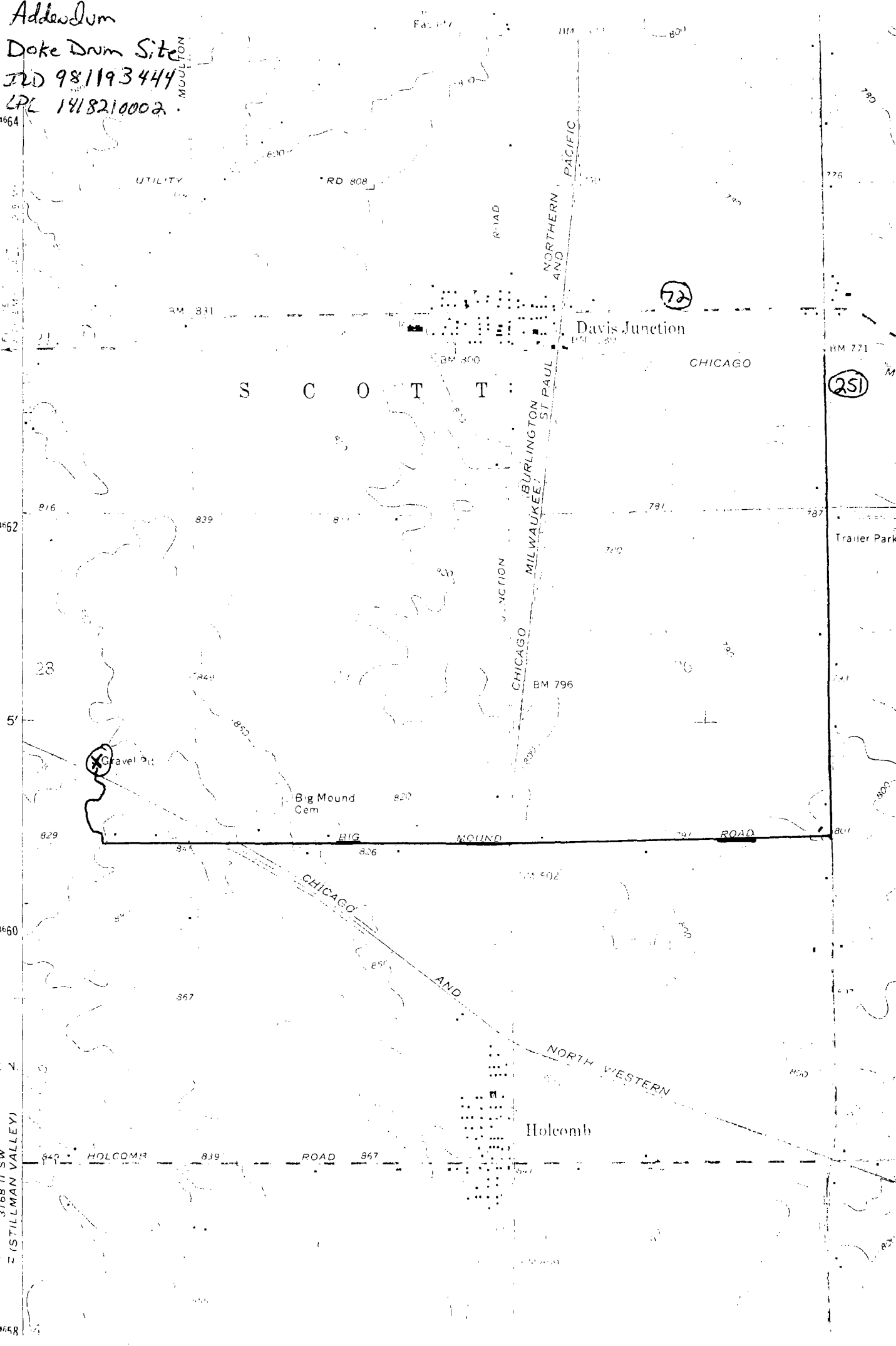
4628

4626

4624

4622

4620



Purpose Code 4 (Use 1 ru 4)

USE SW-846 Methods?

Program Code LP41 (Time Card) Sample # 1

Yes ☒ No ☒

Time Collected: 9:10 A.M.

Lab #

Date Collected: 8-6-85

SPECIAL ANALYSIS FORM

Date Received

RCR
2102
AUG 9 1985
0042102

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

Ogle

FILE HEADING:

Scott / up / Lake

FILE NUMBER:

1418210002

SOURCE OF SAMPLE: (Exact Location)

Drum #1

PHYSICAL OBSERVATIONS, REMARKS:

Green Solid - Soil with PAINT Thinner

TESTS REQUESTED:

organic scan

COLLECTED BY:

R. Munger & S. V. D.

TRANSPORTED BY:

LABORATORY

RECEIVED BY:

SB

DATE
COMPLETED:

DATE
FORWARDED: 2-27-86

J. Hurley

RECEIVED

FEB 28 1986

IEPA-DLPC

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D542102

SAMPLING POINT DESC. : OGLE CO. (DRUM #1)

SUBMITTING SOURCE # :

SITE # :

DATE COLLECTED : 850806

TIME COLLECTED : 0910

SAMPLING PROGRAM :

COLLECTED BY : R MUNGER/S DUSENBURY

DELIVERED BY : MESS

COMMENTS : SOLID SOIL W/PAINT THINNER

FUNDING CODE : LP41

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE :

SAMPLE PURPOSE CODE : 0

DATE RECEIVED : 850809

TIME RECEIVED : 1000

RECEIVED BY : S B

LAB OBSERVATIONS : ORGANIC SCAN

REPORTING INDICATOR :

SUPERVISORS INITIALS : JTH

NOTE : K = LESS THAN VALUE

1,2-DICHLOROBENZENE	UG/G : 20K
BIS-(2-CHLOROETHYL)ETHER	UG/G : 20K
NITROBENZENE	UG/G : 20K
HEXACHLOROCYCLOPENTADIENE	UG/G : 20K
1,2,4-TRICHLOROBENZENE	UG/G : 20K
ISOPHORONE	UG/G : 20K
NAPHTHALENE	UG/G : 20K
METHYL NAPHTHALENE	UG/G : 20K
DIMETHYL NAPHTHALENE	UG/G : 20K
TRIMETHYL NAPHTHALENE	UG/G : 20K
HEXACHLOROCYCLOPENTADIENE	UG/G : 20K
ACENAPHTHYLENE	UG/G : 20K
ACENAPHTHENE	UG/G : 20K
DIBENZOFURAN	UG/G : 20K
FLUORENE	UG/G : 20K
2,4-DINITROTOLUENE	UG/G : 20K
PHENANTHRENE	UG/G : 20K
ANTHRACENE	UG/G : 20K
FLUORANTHENE	UG/G : 20K
PYRENE	UG/G : 20K
BENZIDINE	UG/G : 20K
CHRYSENE	UG/G : 20K
BENZO(A)ANTHRACENE	UG/G : 20K
3,3'-DICHLOROBENZIDINE	UG/G : 20K
2-CHLOROPHENOL	UG/G : 20K
2-NITROPHENOL	UG/G : 20K
PHENOL	UG/G : 20K
DIMETHYLPHENOLS	UG/G : 20K
2,4-DICHLOROPHENOL	UG/G : 20K
2,4,6-TRICHLOROPHENOL	UG/G : 20K
4-CHLORO-3-METHYLPHENOL	UG/G : 20K
2,4-DINITROPHENOL	UG/G : 20K
2-METHYL-4,6-DINITROPHENOL	UG/G : 20K
4-NITROPHENOL	UG/G : 20K

RECEIVED

FEB 23 1986

IEPA-DLPC

SAMPLE NUMBER : D542102

VINYL CHLORIDE	UG/G : 1.0K
CHLOROETHANE	UG/G : 1.0K
METHYLENE CHLORIDE	UG/G : 1.0K
BROMOCHLOROMETHANE	UG/G : 1.0K

1,1-DICHLOROETHYLENE	UG/G : 1.0K
1,1-DICHLOROETHANE	UG/G : 1.0K
1,2-DICHLOROETHYLENE	UG/G : 1.0K
CHLOROFORM	UG/G : 1.0K

1,2-DICHLOROETHANE	UG/G : 1.0K
1,1,1-TRICHLOROETHANE	UG/G : 1.0K
CARBON TETRACHLORIDE	UG/G : 1.0K
BROMODICHLOROMETHANE	UG/G : 1.0K

1,2-DICHLOROPROPANE	UG/G : 1.0K
TRICHLOROETHYLENE	UG/G : 1.0K
BENZENE	UG/G : 1.0K
DIBROMOCHLOROMETHANE	UG/G : 1.0K

BROMOFORM	UG/G : 1.0K
TETRACHLOROETHYLENE	UG/G : 160
TOLUENE	UG/G : 2500
CHLOROBENZENE	UG/G : 1.0K

ETHYL BENZENE	UG/G : 210
XYLENES	UG/G : 1100

023 : THE FOLLOWING QUANTITATIONS ARE APPROXIMATE :

024 : C3-SUBSTITUTED BENZENES UG/G : 1700

025 : C4-SUBSTITUTED BENZENES UG/G : 310

026 : ALIPHATIC HYDROCARBONS UG/G : 2400

027 : MISC. PHTHALATES UG/G : 220

028 : OTHER ORGANIC COMPOUNDS UG/G : 120 (TOTAL)

J. Hiney

RECEIVED

APR 20 1986

IEPA-DLPC

Purpose Code 4 (Use 1 or 4)

USE SW-846 Methods?

Program Code LP4 (Time Card) Sample # 2

Yes ☒ No ☐ 12:00

Time Collected: 9:15 A.M.

Lab #

Date Collected: 8-6-85

SPECIAL ANALYSIS FORM

Date Received 1113 AUG 7 85

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:

Ogle

FILE HEADING:

Scott Twp/ Lake

FILE NUMBER:

1413210002

SOURCE OF SAMPLE: (Exact Location)

Drum #2

PHYSICAL OBSERVATIONS, REMARKS:

Brown Solid

TESTS REQUESTED: organic ~~stn~~ EP toxicity metals

COLLECTED BY: R. L. Munn & S. C. Rosenberg TRANSPORTED BY:

LABORATORY

RECEIVED BY: N. Tsch

DATE
COMPLETED:

DATE DEC -5- 1985
FORWARDED:

As <0.01

Se <0.1

Hg <0.0001

Cd <0.01

Cu 0.08

Ba INT.

Pb 3.0

pH
Initial pH 6.7
Final pH 5.2

RESULTS EXPRESSED IN
MG/LITER UNLESS
OTHERWISE SPECIFIED.

RECEIVED
DEC 03 1985
EPA-ELPC

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C507113

SAMPLING POINT DESC. : SCOTT TWP\DOKE SAMPLE #2

SUBMITTING SOURCE # :

SITE # : 1413210002

DATE COLLECTED : 850806

TIME COLLECTED : 0915

SAMPLING PROGRAM :

COLLECTED BY : MUNGER/DUSENBERRY

DELIVERED BY : UPS

COMMENTS : DRUM #2 BROWN SOLID

FUNDING CODE : LP41

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE : LPEP

SAMPLE PURPOSE CODE : 4

DATE RECEIVED : 850807

TIME RECEIVED : 1200

RECEIVED BY : NJA

LAB OBSERVATIONS :

REPORTING INDICATOR :

SUPERVISORS INITIALS : JWD

NOTE :

TOXICITY EXTRACT/INITIAL PH UNITS : 6.7

TOXICITY EXTRACT/FINAL PH UNITS : 5.2

EP TOXICITY ARSENIC MG/L : .01K

EP TOXICITY BARIUM MG/L : INT.

EP TOXICITY CADMIUM MG/L : 0.01K

EP TOXICITY CHROMIUM MG/L : 0.03

EP TOXICITY LEAD MG/L : 3.0

EP TOXICITY MERCURY MG/L : .0001K

EP TOXICITY SELENIUM MG/L : .1K

7-10-85

010-1-10-85

177-1190

Purpose Code 4 (Use 1 thru 4)

0042103

USE SW-846 Methods?

Program Code LP41 (Time Card) Sample # 3

Yes ☒ No ☐

Time Collected: 9:16 A.M.

Lab #

Date Collected: 8-6-85

SPECIAL ANALYSIS FORM

Date Received 0042103
AUG 9 1985

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Ogle FILE HEADING: Scott Twp/ Doke FILE NUMBER: 1413210002

SOURCE OF SAMPLE: (Exact Location)

Drum #3

PHYSICAL OBSERVATIONS, REMARKS:

Reddish Brown Liquid - Strong Paint Thinner Odor

TESTS REQUESTED:

organic scan & flashpoint

COLLECTED BY: R.L. Manger & S.C. Bownbury TRANSPORTED BY:

LABORATORY

RECEIVED BY: SB

DATE
COMPLETED:

DATE
FORWARDED: 2-27-86

Flash Point = 87°F

J. Hurley

RECEIVED

AUG 23 1986

IEPA-DLPC

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D542103

SAMPLING POINT DESC. : OGLE COUNTY (DRUM #3)

SUBMITTING SOURCE # :

SITE # :

DATE COLLECTED : 850806

TIME COLLECTED : 0916

SAMPLING PROGRAM :

COLLECTED BY : R MUNGER/S DUSENBURY

DELIVERED BY : MESS

COMMENTS : ORGANIC SCAN & FLASHPOINT

FUNDING CODE : LP41

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE :

SAMPLE PURPOSE CODE : 0

DATE RECEIVED : 850809

TIME RECEIVED : 1000

RECEIVED BY : S B

LAB OBSERVATIONS : REDDISH-BROWN LIQ.

REPORTING INDICATOR :

SUPERVISORS INITIALS : JTH

NOTE : K = LESS THAN VALUE

1,2-DICHLOROBENZENE	UG/G : 100K
BIS-(2-CHLOROETHYL)ETHER	UG/G : 100K
NITROBENZENE	UG/G : 100K
HEXACHLOROCYCLOPENTADIENE	UG/G : 100K

1,2,4-TRICHLOROBENZENE	UG/G : 100K
ISOPHORONE	UG/G : 100K
NAPHTHALENE	UG/G : 250
METHYL NAPHTHALENE	UG/G : 100K

DIMETHYL NAPHTHALENE	UG/G : 100K
TRIMETHYL NAPHTHALENE	UG/G : 100K
HEXACHLOROCYCLOPENTADIENE	UG/G : 100K
ACENAPHTHYLENE	UG/G : 100K

ACENAPHTHENE	UG/G : 100K
DIBENZOFURAN	UG/G : 100K
FLUORENE	UG/G : 100K
2,4-DINITROTOLUENE	UG/G : 100K

PHENANTHRENE	UG/G : 100K
ANTHRACENE	UG/G : 100K
FLUORANTHENE	UG/G : 100K
PYRENE	UG/G : 100K

BENZIDINE	UG/G : 100K
CHRYSENE	UG/G : 100K
BENZO(A)ANTHRACENE	UG/G : 100K
3,3'-DICHLOROBENZIDINE	UG/G : 100K

2-CHLOROPHENOL	UG/G : 100K
2-NITROPHENOL	UG/G : 100K
PHENOL	UG/G : 100K
DIMETHYLPHENOLS	UG/G : 100K

2,4-DICHLOROPHENOL	UG/G : 100K
2,4,6-TRICHLOROPHENOL	UG/G : 100K
4-CHLORO-3-METHYLPHENOL	UG/G : 100K
2,4-DINITROPHENOL	UG/G : 100K

2-METHYL-4,6-DINITROPHENOL	UG/G : 100K
4-NITROPHENOL	UG/G : 100K

RECEIVED

FBI - J. J. / JBC

ISPA/DLPC

SAMPLE NUMBER : D542103

VINYL CHLORIDE	UG/G : 20K
CHLOROETHANE	UG/G : 20K
METHYLENE CHLORIDE	UG/G : 20K
BROMOCHLOROMETHANE	UG/G : 20K

1,1-DICHLOROETHYLENE	UG/G : 20K
1,1-DICHLOROETHANE	UG/G : 20K
1,2-DICHLOROETHYLENE	UG/G : 20K
CHLOROFORM	UG/G : 20K

1,2-DICHLOROETHANE	UG/G : 20K
1,1,1-TRICHLOROETHANE	UG/G : 20K
CARBON TETRACHLORIDE	UG/G : 20K
BROMODICHLOROMETHANE	UG/G : 20K

1,2-DICHLOROPROPANE	UG/G : 20K
TRICHLOROETHYLENE	UG/G : 20K
BENZENE	UG/G : 20K
DIBROMOCHLOROMETHANE	UG/G : 20K

BROMOFORM	UG/G : 20K
TETRACHLOROETHYLENE	UG/G : 20K
TOLUENE	UG/G : 5500
CHLOROBENZENE	UG/G : 20K

ETHYL BENZENE	UG/G : 120000
XYLENES	UG/G : 760000

023 : THE FOLLOWING QUANTITATIONS ARE APPROXIMATE :

024 : C3-SUBSTITUTED BENZENES	UG/G : 44000
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025 : C4-SUBSTITUTED BENZENES	UG/G : 27000
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026 : C5-SUBSTITUTED BENZENES	UG/G : 1000
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027 : INDENES	UG/G : 600
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028 : METHYL INDENES	UG/G : 110
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029 : ALIPHATIC HYDROCARBONS	UG/G : 35000
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030 : ISOBENZOFURANDIONE	UG/G : 400	(TENTATIVE IDENT.)
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031 : OTHER ORGANIC COMPOUNDS	UG/G : 6500	(TOTAL)
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J. Hurley

RECEIVED

FEB 11 1986

IEPA-DLPC



WATER ANALYSIS REPORT FORM

Winnebago County Health Department Laboratory

401 Division St., Rockford, IL 61108

Phone 962-5092 Chemistry Dept.

Laboratory Certification

Public Water ☐

Private Well Water ☒

Other ☐ Name _____

Lab-Date in _____ Lab Time in _____

Date and Time in Laboratory:

Samples must reach lab within
72 hours after collection.

Chemical (Organics)

1. Results to:

Name:

OGLE County Health Dept.

Address:

106 S. 5th Street

Post Office:

Oregon

State:

IL

Zip Code:

61061

COLLECTOR: Fill in boxed area only. Type or press firmly with
ball point pen.

Public Water Supply Name

Facility Number

2. Date Collected:

JAN. 14, 1985

3. Sample Collector:

M. J. Williams

4. Sample purpose:

☐ Routine

☐ New Construction—

☐ Resample

☐ Other—

5. Contact person for unsatisfactory samples:

Name

Phone Number

BOTTLE #	SAMPLE LOCATION (ADDRESS)	TOTAL INORGANIC CARBON as C	PURGEABLE ORGANIC CARBON as C	NON-PURGEABLE ORGANIC CARBON as C	PURGEABLE ORGANIC HALIDE as Cl	TOTAL ORGANIC CARBON as C
CC1	11444 Big Mound Road	352	0.026			
CC2	11435 Big Mound Road	353	0.027			
CC3	4429 N. White Rock Road	354	0.025			

Date of Analysis

2/11/86

Time of Analysis

pm

Name of Analyst

DMS

ppm
Remarks

ppm

ppm

ppm

ppm

DMS
2/11/86

RECEIVED

OCT 20 1986

IEPA-DLPC

RECEIVED

not

IEPA-DLPC



WATER ANALYSIS REPORT FORM

Winnebago County Health Department Laboratory

401 Division St., Rockford, IL 61108

Phone 962-5092 Chemistry Dept.

Laboratory Certification

Public Water ☐

Private Well Water ☒

Other ☐

Name

Dms

Lab-Date in *2/5/86*

Lab Time in *8:25 Am*

Date and Time in Laboratory:

Samples must reach lab within
72 hours after collection.

Chemical (Organics)

1. Results to:

Name:

OGLE County Health Department

Address:

106 S. 5TH ST. ~~ILL~~ ~~61061~~

Post Office:

State:

Zip Code:

Oregon

IL

61061

COLLECTOR: Fill in boxed area only. Type or press firmly with
ball point pen.

Public Water Supply Name

Facility Number

2. Date Collected:

Feb. 5, 1986

3. Sample Collector:

M. J. Williams

4. Sample purpose

☐ Routine

☐ New Construction—

☐ Resample

☐ Other—

5. Contact person for unsatisfactory samples:

Name

Phone Number

BOTTLE #	SAMPLE LOCATION (ADDRESS)	TOTAL INORGANIC CARBON as C	PURGEABLE ORGANIC CARBON as C	NON-PURGEABLE ORGANIC CARBON as C	PURGEABLE ORGANIC HALIDE as Cl	TOTAL ORGANIC CARBON as C
381	<i>LARRY Hilliard</i> <i>White Rock Road, Davis Junction</i>		<i>0.046</i>			
382	<i>Dean Pihl</i> <i>11475 E. Big Round Rd.</i>		<i>0.048</i>			
383	<i>Ernie Ooke, Jr.</i> <i>11864 E. Big Round Road</i>		<i>0.048</i>			

Date of Analysis

2/13/86

Time of Analysis

~~8:25 Am~~

Name of Analyst

Om

ppm
Remarks

ppm

ppm

ppm

ppm

Dms
2/13/86

RECEIVED

OCT 20 1986

IEPA-DLPC

Joseph A. Doherty, D.H.S.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: February 4, 1986

TO: DIVISION FILE

FROM: Kerry Keller - Region 1 *K*

SUBJECT: DOKE DRUM CLEANUP - PHASE I
1418210002 - Ogle County
Davis Junction/Doke Drum Site
Superintendent/Technical Reports (4)

RECEIVED

FEB 10 1986

IEPA-DLPC

On January 30, 1986, Phase I of the Doke Drum Site Cleanup began. (Phase I consisted of staging, inventorying, sampling and analyses of the drums. Phase II will consist of the actual disposal of the drums and wastes.) The contractor for Phase I was Mid-America Environmental Services, who proposed to do the job in four working days using a crew of seven men, (one Supervisor, one Foreman, one heavy equipment operator and four workers.), in Level C safety gear for all the work onsite except sampling which was to be done in Level B. The Supervisor on this job was Mr. Perre Krizanek. The work plan was to stage all the drums known, then check through the tires with a bulldozer for any additional drums, stage any additional drums found, and sample all the drums found which contain material. The samples were to be sent to Gulf Coast Labs for analysis.

The following is a daily breakdown of the activities on the site during Phase I of the cleanup:

Monday - 1/20/86

Mid-America, Tim Greetis and the author met at the intersection of Routes 72 and 251 between 8:00-8:10 a.m. After everyone had arrived, we traveled to the Doke home. Tim and the author checked to see if anyone was home while Mid-America unloaded a Caterpillar 977 bulldozer and drove it to the drum site. Nobody was found to be home so we drove to the drum site. We arrived at the site at 8:30 a.m. Mid-America unloaded a bobcat which began clearing tires from an area which was to be the drum staging area (see site map). The decontamination (decon) area was designated and the air compressor was placed in position. Perre and the foreman then left the site at 10:00 a.m. to go buy materials to build tables for the decon line, (they did not bring the materials with them). The tires were removed from the drum staging area by 11:15 a.m. The Visqueen was laid for the staging area, and the stakes for the caution tape were driven in. The caution tape was completed by 11:40 a.m. Perre and the foreman returned by 11:30 a.m. and began building tables for the decon line. The drums from the main drum pile began being staged and tires began being moved from the Northeast section of the main tire area, to a temporary storage area located just east of the main tire area. Two of the crew acted as spotters for the caterpillar tractor to spot any drums which may be buried within the tires. Jim Janssen arrived onsite at 12:50 p.m. At 2:30 p.m. Jim Janssen, Tim Greetis and the author left the site to eat lunch. We returned at approximately 3:00 p.m. Tim, and the author donned Level C safety gear and inspected the work site and the drums staged so far. Work seemed to be moving smoothly. However, while inspecting the "empty" staged drums, three were discovered to have material in them and one was leaking a brown liquid onto the Visqueen. This was pointed out to Perre who instructed the workers to move the drums to the "full" drum staging area. After completing the onsite inspection Tim and the author decontaminated ourselves and with Jim Janssen we went to the Doke home to meet with Mr. Doke.

Mr. Doke was met at 4:15 p.m. and was taken to the site. It was explained to him the extent of the project and the safety precautions being taken. He was asked if he wanted the tires which were being moved to the temporary storage area to be moved back to the main tire pile when the project was finished or would it be okay if they were left where they were. Mr. Doke said he thought it was best if the tires were put back on the main pile so that they weren't spread out everywhere. The moving of the tires back to the main pile became Change Order #1 as Mid-America's proposal made no provision for moving the tires back. This change was okayed by Jim Janssen. Mr. Doke then returned to his home and Jim Janssen left the site at 4:45 p.m. Work for the day was finished at approximately 4:55 p.m. The total number of drums staged at the end of the first day was 41 total (8 empty, 33 full). The daily work sheets were reviewed and signed. Perre asked if it would be okay if they started work at 7:00 a.m. This was agreed to, and the site was left at 5:10 p.m., immediately behind Mid-America.

Tuesday - 1/21/86

On Tuesday the author arrived onsite at 7:00 a.m. Mid America arrived at 7:05 a.m. and Perre gave the author copies of the previous days worksheets and explained that they would be bringing in a second caterpillar tractor to help move tires as it was taking longer than they had originally thought to move the tires. They also added a second heavy equipment operator which brought their crew up to eight men. The second caterpillar was expected between 9:00-10:00 a.m. The workers dressed and began staging drums from the main drum pile and the caterpillar tractor began moving tires from along the northwest side of the inner ridge. At 8:10 a.m. Tim Greetis, Jim Janssen and Steve Colantino arrived onsite. Jim Janssen and Steve Colantino left around 9:00 a.m. to visit other sites in the area. At 10:40 a.m. the second caterpillar tractor had not arrived yet, so Perre and the foreman left the site to see if they could find out what was causing the delay. The first caterpillar tractor had begun to excavate the northwest side of the inner ridge and had excavated 6-7 drums by 11:15 a.m. At 11:15 a.m. Jim Janssen, Steve Colantino and Bob Wengrow arrived onsite. Perre and the foreman returned at 11:25 a.m. Perre, Jim Janssen, Tim Greetis and the author then donned Level C protective gear and walked into the pit excavated along the northwest side of the inner ridge. The bulldozer was having difficulty excavating the drums buried along the northwest side of the inner ridge, and as a result was damaging them. The drums excavated from the ridge so far, had been empty or had solids (trash or scrap) in them. The concern was that if a drum containing liquids was encountered, the bulldozer would not be able to excavate it without damaging the drum. Perre expressed the need to bring in a backhoe to excavate the ridge. This was okayed by Jim Janssen. The excavation of the drums with a backhoe became Change Order #2, because the original proposal had not addressed the area of drum excavation. The workers then took a lunch break, and Jim Janssen, Steve Colantino and Bob Wengrow left the site. The second caterpillar tractor, a D6 wide track, arrived at 12:45 p.m. and began work at 1:00 p.m. The drum staging from the main pile restarted and a high solvent odor was detected downwind as 2-3 drums had leaked during staging. The solvent odor was also high in the pit along the ridge as some of the leaking liquids were draining into the pit area. At 4:15 p.m., Perre explained that they would be bringing in a 300 lb. fire extinguisher because he was concerned about having adequate fire protection in light of the high solvent odors being encountered in the pit along the inner ridge.

At 4:45 p.m. work was completed for the day. The daily work sheets were signed and returned. At the end of Tuesday there were 103 full 55 gallon drums staged, 24 empty 55 gallon drums staged, 1 empty 30 gallon drum, and 2 empty 5 gallon pails staged. By the end of the day it became evident that the main drum pile was actually a trench that had drums piled in it, and then had been filled to appear as level ground. Mid-American, Tim Greetis and the author left the site at 5:10 p.m.

Wednesday 1/22/86

On Wednesday Mid-America, Tim Greetis and the author arrived onsite at 7:00 a.m. to find that 48 overpack drums and the 300 lb. fire extinguisher had been delivered. According to Perre, the delivery occurred between 9:30-10:00 p.m. the night before. Copies of the previous days worksheets were given to the author by Perre. On 1/21/86 it was discovered that the main drum pile was actually a trench, and there had been problems with spillage causing high solvent odors in the pit. It was decided to berm the trench below the main drum pile to prevent further spillage from flowing into the pit area. The berm was installed by 9:30 a.m. The drum staging and tire moving went smoothly all morning. By 11:00 a.m. the tire moving was completed. The caterpillar tractors began moving tires back from the temporary tire storage area back to the main pile at 11:20 a.m. At 11:35 a.m., Tim and the author left the site to make phone calls. The crew took their lunch break from 11:45 a.m. - 12:45 p.m. At 12:45 p.m. Tim and the author returned to the site, as work was restarting for the afternoon. Tim and the author donned Level C protection gear and inspected the drums staged so far for markings. Any drum with any markings were labeled and photographed, (see attachment A for drum marking information). Twenty 55 gallons drums and one 30 gallon drum were found to have markings. These drums were labeled (A,B,C...U) and photographed. The drums which were identified as buried drums but had no markings were labeled as A-1, A-2,...A-7. The drum labeling was completed by 2:15 p.m. At 2:00 the tires from the temporary storage area had been all moved back to the main tire area, and sampling of the staged drums was started. The samplers were using air lines with 5 minute escape bottles (level B protection). Perre informed Tim and the author that the work sheets for the first 2 days were in error due to incorrect rates used, and that revised worksheets will be done. At 3:00 p.m. the first Caterpillar tractor (977) left the site and was parked on the east end of the old railroad right of way. At 3:20 p.m. the second Caterpillar tractor (D6) left the site and was driven next to the barn to be picked up the following morning. At 3:45 p.m. Mr. Earnest E. Doke arrived onsite. It was explained to him what was going on, and he went back to his house at 4:20 p.m. At 4:30 p.m. drum staging and sampling was finished for the day. Mid-America left the site at 4:55 p.m. and Tim Greetis and the author left the site at 5:00 p.m.

Thursday - 1/23/86

On Thursday the author and Mid-America arrived onsite at 7:05 a.m. Mid-America's crew was back to seven men. They sent the second heavy equipment operator home. The backhoe (John Deere 690 B) was delivered at 7:10 a.m. and the second caterpillar tractor (D6) was taken away on the same trailer that delivered the backhoe. Tim Greetis arrived onsite at 7:10 a.m. At 8:00 a.m. the author informed Perre of the drums labeled (A-U, and A-1...A-7) by the Agency the previous day, and asked him to supply the author with a list of drums which have an Agency number and the corresponding Mid-America number. Also to supply the Agency with a total number of drums staged, drums full, drums empty, number of overpacks used and the number of samples taken. He said he would have the information by the end of the job.

The workers dressed and began staging and sampling drums by 7:45 a.m. At 9:10 a.m. while the backhoe was moving into position it experienced an electrical problem and broke down. The operator tried to fix it and couldn't. The operator left at 9:30 a.m. to call a repairman for advise. He returned at 10:15 a.m. and tried to fix the backhoe but was unable to repair it. At 11:30 a.m. the operator left the site to call for a repairman. At 12:37 p.m. Tim Greetis left the site to return home to Springfield. At 12:45 p.m. the backhoe operator returned with a John Deere repairman. At 2:20 p.m. the backhoe had been repaired and the repairman left the site. The backhoe moved into position at 2:45 p.m. and began excavating the inner ridge. Between 3:20 - 4:25 p.m. five drums were excavated from the inner ridge. All were empty and only one was not smashed. At 3:25 p.m. two Mid-America workers (George Rudzinski and Rick Vestrates) who had finished a job in the area, arrived onsite to help with the sampling. Also they brought an HNU meter. This brought the crew up to nine men. At 5:10 p.m. the "corrected" work sheets from 1/20, 1/21 and 1/22 were signed. At 5:15 p.m. work was completed for the day. Mid-America and the author left the site at 5:35 p.m.

Friday - 1/24/86

On Friday the author arrived onsite at 7:00 a.m. Mid-America arrived onsite at 7:05 a.m. The workers dressed, and began staging and sampling drums at 7:50 a.m. The excavation plan was changed to excavate the main drum pile/trench first and then excavate the inner ridge. The reason for the change was that none of the drums in the ridge had any material in them, and there were still 15-20 drums in the main drum pile/trench which could not be staged with the bobcat. Also, since all the drums which had material in them were from the main drum pile/trench, they could be staged and sampled while the inner ridge excavation was completed. The excavation of the main drum pile/trench started at 7:55 a.m.

At 9:25 a.m. a drum containing a granular material was excavated from the main drum pile/trench. It had an Ashland Chemical label on it and the author labeled it #V. The main drum pile/trench excavation was completed by 10:25 a.m. and at 10:30 a.m. excavation of the inner ridge was started. At 11:10 a.m. two empty five gallon pails were excavated from the inner ridge. One pail was labeled Dow Esteron 99 and the other had no markings at all. At 12:00 noon Perre presented the daily work sheets for 1/23 and 1/24 a.m. As of 1/24/86 at noon, 75 samples had been taken. The remainder of the samples became Change Order #3. At 12:15 p.m. the signed sheets were returned to Perre. Between 2:15 p.m. and 3:32 p.m. 11 drums were excavated from the inner ridge. At 2:42 p.m. and 3:02 p.m. the only two drums excavated from the ridge with any material in them were excavated. The 2:42 p.m. drum contained a black liquid and the 3:02 p.m. drum contained a blue liquid. Both of these drums had holes poked in them apparently when they were dumped. These drums were labeled B-1 and B-2 and were overpacked. At 3:40 p.m. the excavation of the ridge was complete. Perre instructed the operator to leave the backhoe onsite so it could be decontaminated. At 3:50 p.m. it began to snow. Drums B-1 and B-2 were sampled between 4:00 p.m. - 4:20 p.m. At 4:00 p.m. work finished for the day and the first caterpillar tractor was taken to the barn and parked. At 4:35 p.m. drums B-1 and B-2 were sealed with evidence tape. At 4:50 p.m. Mid-America and the author leave the site.

Saturday - 1/25/86

On Saturday the author arrived onsite at 7:00 a.m. Mid-America arrived between 7:05 a.m. and 7:15 a.m. Sampling restarted by 7:40 a.m. The daily work sheets for 1/24/85 were reviewed and signed. At 9:40 a.m. the evidence tape seals were broken on drums B-1 and B-2 so HNU readings could be taken. At 9:50 a.m. the foreman gave the author a summary sheet of corresponding numbers, number of drums full, empty and overpacks, (see attachment B). At 1:00 p.m. the foreman donned level C protective gear to help the workers complete sampling, and the sealing of the overpacks. Sampling was completed at 1:10 p.m. Demobilization began at 1:15 p.m. while sealing of the overpack drums was finished. During demobilization the foreman moved three of Mid-America's vehicles while still wearing his tyvek. (The vehicles were on the clean side of the decontamination line.) This was discovered by the author after the vehicles were moved and the foreman was returning to the decontamination line from the clean side while wearing his tyvek. All the overpacks drums were sealed by 2:00 p.m. Per Perre the staking around the staged drums could not be done due to the ground being frozen, and so no caution tape or signs were posted at the end of demobilization. The daily work sheets were signed at 2:35 p.m., and Mid-America and the author left the site at 2:40 p.m. The author stopped at Mr. Doke's home and informed him that Phase I was completed. The author left Mr. Doke's home at 2:55 p.m.

SUMMARY

The total number of 55 gallon drums staged was 184. This included 44 drums which were empty, 100 drums which were full and intact, and 40 drums which were full but required overpacking. There also were 4 empty five gallon pails and one empty 30 gallon drum. There were 140 samples taken which was 65 samples above the 75 samples contracted for.

The cleanup had to be modified during the project to bring in a second bulldozer and a backhoe. Also due to delays and the higher than expected number of drums found, the project took two days longer than anticipated. Work generally went smoothly although occasionally there was inconsistencies regarding safety practices and communications. For example, during demobilization neither the backhoe or the bobcat were decontaminated before being taken offsite. Perhaps it should be spelled out if and when equipment is to be decontaminated. Also heavy equipment delivery/pickup fees could be broken down so that mileage rates are reflected. This could help the Agency reduce costs when a trailer is used twice as on 1/23/86 when the trailer used to deliver the backhoe was used to pickup one of the bulldozers. This reduced the number of trips made by the delivery trailer by one, however the contractor did not allow a price break as the mileage and trailer usage is not broken down on the rate sheet.

KK/bp

cc: Jim Janssen
Tim Greetis
Steve Strauss
Rockford File

1418210002/Ogle Co - LPC

DATE: 1/20-25/86

Davis Tat. 1 Duke Drum Site - Site Map

TIME:

Tires

Pit Area

Scattered Drums along RR

Inner Ridge

Tires

Dirt Road

Temporary
Fire
Storage
Area

Trash
&
Scrap

Cropland

4N

main
Drum
Pile

Trench - below tires
and drums

Air Compressor
Response Van

Storage
Drum

Full Drums
Visqueen
Empty/Scrap
Drums
RR Ties
Overpack
drums

Decon.
Area

Old RR Right of Way

Cropland

Dirt Road

Scrap Cars

Barn

House

House

Big Plover Rd

To Rt. 251 ->

Not to scale

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCYIL 532-0357
ADM 39
054-002Subject DAVIS JUNCTION / EARNEST DOKE DRUM SITE
Data RECOVERED MARKINGS OFF DRUMS
Reviewed by _____ Date _____

DRUM #	QNTY	MATERIAL / EMPTY	MARKINGS	DRUM COLOR	PHOTO #
A	55	M	PRATT & LAMBERT BUFFALO NEW YORK top KING SEELEY THERMOS CO.)	BLACK	217/21
B	55	M	W/ SOLUBE 502 } side LOT No. 410/86	BLUE	217/22
C	55	M	--- LAMBERT } top DANGER FLAMMABLE	BLACK	217/23 217/24
D	55	M	05-0-00 LACQUER } side THINNER NET 380	RED	217/25
E	55	M	05-0-00 55gal } side LACQUER THINNER NET 380	RED WITH BLACK	217/26
F	55	M	05-0-300 LACQUER THINNER side NET 380	RED	217/27
G	55	M	ROCKFORD CHEMICAL & COATINGS INC 05-0-00 55gal } top LACQUER LACQUER THINNER } side NET 380	RED	217/28 217/29
H	55	M	STRP side 89	BLUE	217/30
I	55	M	BASF BASF WYANDOT CORP side URETHANE: DIV.	BLUE	217/31
J	55	M	CHEMISTRY FOR EXTRACTING INDUSTRIES --- NCO side -- CHEMICAL CO. INC.	WHITE, BLUE, GRN.	217/32
K	55	M	PRATT & LAMBERT BUFFALO NEW YORK KING SEELEY THERMOS CO ROCKFORD, IL. 61032 RETURNABLE DRUMS top PROPERTY OF P&L	BLACK WITH YELLOW LID	217/33

ILL. E.P.A. — D.L.P.C.
STATE OF ILLINOIS

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

IL 532-0357
ADM 39
054-002

Subject DAVIS JUNCTION / EARNEST DOKE DRUM SITE

Data RECOGNIZED MARKINGS

Reviewed by _____

Date _____

DRUM #	QNTY	MATERIAL / EMPTY	MARKINGS	DRUM COLOR	PHOTO
L	55	M	JORDAN PAINT --- CO. INC. --- PARK ILLINOIS top		#17/21
M	55	M	PPO INDUSTRIES INC. CHEMICALS DIVISION --- CENTER side	Red & White	#7/25 #18/2A
N	55	M	PITTSBURGH, PA. 15222 BARTON CO. 1400 FORD -- top ROCKFORD, ILL.	LT. BLUE	#13/30A
O	55	E	NORTON CO. side WORCHESTER --	Blue & Yellow	#18/31
P	55	E	EASTMAN KODAK } side SENSITIZERS CODE No. 12-38-13 REG No. V 2568 SEPT 3, 1976 Lot # 76-9-3 } top	Black & Yellow	#18/4A #18/5A
Q	55	E	STERLING RADIATOR CO. ROCKFORD DIV. 330 BLACKHAWK PARK AVE ROCKFORD, ILL } side DUPONT 3871 ? M-92-375 --- } top COMPOUNDS	BLUE	#18/6A #18/7A
R	30	E	--- OIL COMPANY NET WEIGHT 120 POUNDS 54.430 KILOGRAMS CHICAGO } top STAMPED ON SHOULD BE SIDE OF DRUM	Red & White	#18/8A
S	55	M	ROCKFORD CHEMICAL top	Red w/BLK	#18/9A

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

IL 532-0357
ADM 39
054-002

Subject DAVIS JUNCTION / EARNEST DOKE DRUM SITE

Data RECOVERED MARKINGS

Reviewed by _____

Date _____

DRUM #	ONLY	MATERIAL / EMPTY	MARKINGS	DRUM COLOR	PHOTO
T	55	M	PRATT & LAMBERT 16 CHEMICAL COATINGS 4000 SO. KILBOURNE CHICAGO, IL. PAINT -- RALON LOW ENAMEL - DESERT GROSS	RED WITH BLACK	#18 / #12
U	55	M	M.A. BELL CO HOUSTON ANOTHER FINE MACCO PRODUCT (sticker or side of drum)	RED	#18 / #12
V	55	M	Ashland Chemical Co. Isocure I-308 (15-18 lines of warning information) For industrial use only Foundry Product Division - Ashland Chemical Co. Columbia Ohio 43216 Division of Ashland Oil	Black	#20 / #5 #20 / #5



DATE: August 25, 1986

TO: DIVISION FILE

FROM: Kerry Keller - Region 1

SUBJECT: 1418210002 - Ogle County
Davis Junction/Earnest Doke Drum
Superfund - Technical Report

On July 22-25, 29 and 30, and August 4, 1986, the second phase of the cleanup at the Doke Drum Site was completed. The second phase consisted of repacking the waste, crushing the old and used overpack drums, cleaning up the staging area and shipping the wastes offsite for final disposal. Mid-America Environment Services, Inc. was the contractor for both Phase 1 and Phase 2 of the cleanup. Mid-America projected that Phase 2 of the cleanup would take four days, (one day setup, two days repacking/crushing, one day loading waste, demobilization), however the second phase took seven days. The following is a breakdown of the daily activities onsite.

July 22, 1986 - Tuesday

The author arrived at the Doke Farm at 8:30 a.m. It had been decided to meet at the road between 8:30-9:00 a.m. At 9:40 a.m. Mid-America's foreman, Steve Makarewick and his assistant arrived onsite along with a semi tractor/trailer with a load of drums (for repacking). We drove to the drum site and Mid-America unloaded 125 drums (100 open heads, 25 tight heads) between 9:45-10:05 a.m. These drums were put just west of the drums staged on the Visqueen. The semi tractor/trailer and the foreman's assistant then left the site at 10:15 a.m. Mid-America was sending a crew which would be arriving shortly according to Steve.

At 1:00 p.m., Perre Krizanek and a crew of six workers arrived onsite. They began unloading their equipment and building a "decon corridor", which the workers were to pass thru during decontamination. The decon corridor was completed by 2:45 p.m. They then unloaded a drum crusher which was positioned just east of the decon corridor. At 3:20 p.m. the crew began opening the new drums. This was completed by 4:00 p.m. All remaining equipment was unloaded and work was completed by 4:45 p.m. Mid-America and the author left the site at 4:50 p.m. Perre said that they would be starting at 7:00 a.m. on 7/23/86.

July 23, 1986 - Wednesday

The author arrived onsite at 6:45 a.m. Mid-America arrived at 7:00 a.m. They had a crew of four men, who suited up and began working at 7:35 a.m. They were in level C protective gear (yellow tyvek, gloves, boots and respirator) and began repacking the solid wastes. The workers were forced to take frequent breaks due to the hot weather (+80° F by 9:30 a.m.) and were only able to work 25-45 minutes at a time between breaks. The total amount of time working in the tyvek suits was between 4-4 1/2 hours for the day. At the end of the day 30-35 drums of solids had been repacked. No drums had been crushed. Perre Krizanek arrived onsite at 2:15 p.m. and observed work until the end of the day.

Work for the day was finished at 3:15 p.m. Due to the heat it was decided to start earlier on 7/24/86. We would meet at 5:00 a.m. as sunrise was around 5:20 a.m.

Mid-American and the author left the site at 3:25 p.m.

July 24, 1986 - Thursday

The author arrived onsite at 5:00 a.m. Mid-America had arrived about five minutes earlier at 4:55 a.m. Mid-America had an eight man crew and a foreman (Steve Makarewick). The eight workers suited up and began work at 5:30 a.m. Two men started working on repacking the liquid wastes using a hand powered pump to pump the liquids into a new drum. The remaining six workers continued to repack the solid wastes. At 6:45 a.m. it was observed that the workers repacking the liquid wastes were starting on the overpacked liquid waste. The foreman was asked why they were repacking the overpacked wastes as the contract from Mid-American dated 5/13/85, said that, "The overpack drums and their contents will be sent for disposal as they are". The foreman explained that since the majority of the drums were not full, it is more economical from a disposal standpoint to repack the drums so that they are full. The empty overpacks will be crushed if grossly contaminated and/or the inside drum cannot be removed, or may be reused at another site if the overpack drums are in good shape. These overpacks were already charged to the Agency. Tim Greetis was informed of the situation on 7/28/86 and was asked what to do. He said he would get in touch with Ron McFarlane and arrange for a credit of any overpacks charged to the Agency that would be removed from the site to be reused at another site.

At 8:30 a.m. two members of the crew began operating the drum crusher. The drum crusher can crush a 55 gallon drum in about 75 seconds to a height of 6-8 inches. The drum crusher was operated for the rest of the day.

Perre arrived onsite at 9:35 a.m. and left at 9:45 a.m. He returned at 10:50 a.m. and left for day at 10:55 a.m.

The earlier starting time helped in that the total amount of time worked in the tyvek suits increased to 6 hours for the day, and the work periods increased to 30 minutes - 1 hour 10 minutes, at at time. It was decided to continue to start at 5:00 a.m.

Work was completed for the day at 2:45 p.m. Mid-America and the author left the site at 3:00 p.m.

July 25, 1986, Friday

The author arrived onsite at 5:00 a.m. Mid-America had arrived just before the author. It was raining with lightning so work was delayed until 6:20 a.m. At 7:30 a.m. the air compressor ran out of gas. It had to be hooked up to one of the trucks and taken offsite to be refueled. The air compressor was returned to the site at 8:25 a.m.

At 8:45 a.m. the drum crushing operation of the old drums was started.

Perre arrived onsite at 10:30 a.m. and explained that they were having trouble getting the supplemental waste stream permits. He said they would not be back onsite on Monday (7/28/86) but hopefully would be back on Tuesday (7/29/86). He said they figured that it would take two more days to complete the project. Work continued until 2:00 p.m. when the crew began wrapping things up for the day. At the end of the day there was approximately 35 drums of waste left to repack. Work was completed for the day at 2:40 p.m. and Mid-America and the author left the site at 2:45 p.m.

July 29, 1986 - Tuesday

The author arrived onsite at 8:30 a.m. Mid-America was already onsite as they had arrived at 8:15 a.m. They had a crew of four men, plus a foreman and his assistant, (six people total). Work began at 9:00 a.m. with two men repacking solid waste and two men repacking liquid waste.

At 9:20 a.m. it was discovered that the air compressor wouldn't start due to a lack of hydraulic oil. The foreman's assistant was sent offsite to purchase the hydraulic oil and returned at 10:30 a.m. The air compressor was back in operation at 10:40 a.m.

By 11:30 a.m. all the solid and liquid wastes had been repacked. The only wastes left to repack was 20-22 drums which contained sludges. These were to be repacked while mixing with soil to "solidify" the waste.

At 1:20 p.m. it was decided to lay out a new piece of Visqueen over the repacking area, as the piece that was already on the ground was developing small holes from the bobcat driving over it moving drums.

Work continued through the afternoon. Between 3:55 p.m. - 4:55 p.m. Steve (the foreman), left the site twice to call Mid-America's main office. At 4:55 p.m. he returned and announced that all of the drums had to be repacked and crushed by the end of the day as the drum crusher was due on another job the following day. At that time there were seven drums of sludge to repack and about 50-60 drums left to crush.

At 7:15 p.m. one worker began crushing the drums as the other three workers continued repacking the waste. Between 8:00 - 8:15 p.m. the last drum of waste was repacked. The last drum was crushed at 8:55 p.m. The drum crusher unit was loaded on the truck between 8:55 - 9:00 p.m.

Mid-America and the author left the site at 9:10 p.m.

July 30, 1986 - Wednesday

The author arrived onsite at 5:00 a.m. Mid-America arrived onsite at 5:10 a.m. with three people (one foreman and two workers). They had sent three of the crew back the night before with the crusher unit.

Work began at 5:20 a.m. with the workers sealing the drums. At 8:00 a.m. at semi tractor with a 40 cu. yd. trailer arrived onsite to take away the crushed drums. The truck was moved into position and lined with plastic. At 8:30 a.m. loading of the crushed drums began. All the crushed drums were loaded by 9:45 a.m. The load was covered with a tarp and the warning placards were displayed. At 10:05 a.m. the driver asked the author to sign the manifest. Before it was signed it was noted that the manifest had a different State Generator ID number.

The site had been assigned #1418210002, however the manifest had #1410170001. The author left the site to make a call to Tim Greetis to check on this different number and find out how it should be changed. Tim checked the files and discovered that both numbers were assigned to the Doke site. The 1410170001 number had been assigned to the "Doke Drum Cleanup" and so it was decided to use that number.

The author returned to the site at 10:45 a.m. and signed the manifest. The manifest showed a quantity of 25 cubic yards of crushed drums. The truck left the site at 10:50 a.m.

The foreman arrived onsite (he had left to make a phone call while the author was offsite) and announced that none of the remaining wastes would be shipped that day as Mid-America didn't have enough trucks running due to mechanical problems. It was decided to finish all cleanup work and stage the repacked drum for pickup at a later time.

All the Visqueen was packed into a drum and all the drums were staged by 3:00 p.m. Between 3:10 p.m. and 3:35 p.m. the decon corridor was dismantled. All equipment was loaded onto the trucks by 4:30 p.m. Mid-America left the site at 4:35 p.m.

While the author was preparing to leave, Mr. Doke arrived at the site at 4:40 p.m. He was informed of the progress of the project and was told that the project would be completed the following week. Mr. Doke and the author left the site at 5:00 p.m.

August 4, 1986 - Monday

The author arrived onsite at 7:45 a.m. Mid-America arrived at 8:05 a.m. with a two person crew. Between 8:25 a.m. and 8:30 a.m. two trucks arrived onsite. The hazardous waste labels for the repacked drums were filled out from 8:15 a.m. - 9:40 a.m. The trucks were moved into position at 9:40 a.m. The drums began being labeled and loaded onto the trucks by 9:45 a.m.

All the drums including the empty drums not used were loaded on the trucks by 1:00 p.m. The following is the totals of the drums shipped out:

- 14 drums of flammable liquids - shipped to Petro Chem, Detroit, Michigan.
- 32 drums of hazardous waste solids - shipped to Petro Chem, Wyandette, Michigan.
- 10 drums of corrosive liquids - shipped to Petro Chem, Wyandette, Michigan.
- 34 drums of corrosive solids - shipped to Petro Chem, Wyandette, Michigan.
- 2 drums (1 cu.yd.) of PCB contaminated soil and debris - Chem Waste, Emille, Alabama.
- 34 drums - clean - shipped back to Mid-America, Riverdale, Illinois.
- 8 overpack drums - shipped back to Mid-America, Riverdale, Illinois.
- 9 used overpack drums - shipped back to Mid-America, Riverdale, Illinois.

The manifests were signed between 1:15 - 1:25 p.m. The trucks left the site at 1:30 p.m. Mid-America's crew left the site at 1:40 p.m. The author took pictures of the area and left the site at 2:00 p.m.

KK/bp
cc: Rockford Region
Tim Greetis